

Notice of Allowability

Application No.

10/616,718

Examiner

Chelcie Daye

Applicant(s)

BALA, JERZY

Art Unit

2161

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/29/07.
2. ☒ The allowed claim(s) is/are 2-3 and 5.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- ☒ Notice of References Cited (PTO-892)
- ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
- ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
- ☐ Notice of Informal Patent Application
- ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
- ☒ Examiner's Amendment/Comment
- ☐ Examiner's Statement of Reasons for Allowance
- ☐ Other _____

DETAILED ACTION

1. Claims 2-3 and 5, as renumbered claims 1-3 are allowed. Claims 1 and 4 are cancelled.

EXAMINER'S AMENDMENT

2. Authorization for an Examiner's Amendment was given by Harold Stotland in a telephone interview on 08/03/07.
3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
4. The application has been amended as follows:

1. (Cancelled)

2. (Currently Amended): A The method as claimed in claim ~~[[1]]~~ 5, wherein said plurality of agents include non-winning agents, and further comprising the step of:
obtaining split data index information by said non-winning agents from said mediator.

3. (Currently Amended): A The method as claimed in claim [[1]] 5, wherein said split data index information is compressed.

4. (Cancelled)

5. (Currently Amended): A method for distributed data mining, comprising the steps of:

invoking a plurality of agents by a mediator;

beginning attribute selection by each agent, wherein attribute selection being the selection of one data attribute from a set of local data attributes unique to the respective agent such that the selected data attribute has substantially the highest information gain value among all local attributes;

collecting the highest information gain values from the plurality of agents by the mediator, wherein the highest information gain value of a respective agent is based on its own local data with its own unique data attributes;

selecting by the mediator of a winning agent, wherein the winning agent is the only agent from the plurality of agents with access to the local data attribute with the highest global information gain value;

initiating data splitting by said winning agent based on the value of the data attribute with the highest information gain wherein the specified data attribute is unique to the respective agent's local data;

forwarding split data index information resulting from said data splitting by said winning agent to said mediator;

forwarding said split data index information from said mediator to each of said plurality of agents;

initiating data splitting by each of said plurality of agents other than said winning agent based on the split data index information furnished by the winning agent and broadcasted by the mediator;

generating and saving partial rules by repeating the attribute selection and data splitting process recursively and by tracking the attribute/split information coming from that iteration's winning agent; and

outputting complete rules obtained at the completion of the mining process to said plurality of agents.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

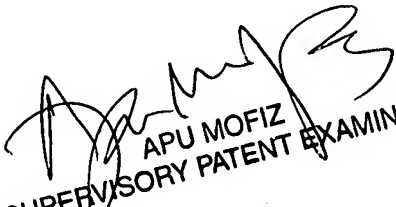
Points of Contact

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chelcie Daye whose telephone number is 571-272-3891. The examiner can normally be reached on M-F, 7:00 - 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Apu Mofiz can be reached on 571-272-4080. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Chelcie Daye
Patent Examiner
Technology Center 2100
August 03, 2007


APU MOFIZ
SUPERVISORY PATENT EXAMINER